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CUSTOM RATES SURVEY

FERTILIZER AND HERBICIDE APPLICATIONS AND GRAIN SEEDING

1985

Alberta
AGRICULTURE
STATISTICS BRANCH
427 4011

88-05652/

PREFACE

The Custom Rate Survey is conducted for Alberta Agriculture as a cooperative effort involving the Department Statistics Branch and Farm Business Management Branch.

The data presented in this report was obtained by contacting custom operators and dealers and thus represent actual charges. Please note that some instances may be GNR (Good Neighbor Rates) as opposed to CR (Commercial Rates). The reader should be aware that varying conditions in different areas of the province can significantly affect the rates charged.

The intent of the survey is to provide producers with additional information to help with their farm management decisions. The quality of data is dependent on the cooperation received by producers as well as commercial custom operators. We would like to thank all those who were so willing in helping to provide information. If you are involved in any custom operations and have not been contacted but wish to contribute please call the following numbers or contact your local District Agriculturist.

Alberta Agriculture
Statistics Branch
Edmonton, Alberta
403-427-4018

Alberta Agriculture
Farm Business Management Branch
Olds, Alberta
403-556-4240

LEGEND

● Regional Offices

Region 1 - Lethbridge
2 - Airdrie
3 - Red Deer
4 - Vermilion
5 - Barrhead
6 - Fairview

★ Edmonton
Calgary

LEGEND

OPERATIONS

CS - CROP SEEDING
FA - FERTILIZER APPLICATION
HA - HERBICIDE APPLICATION

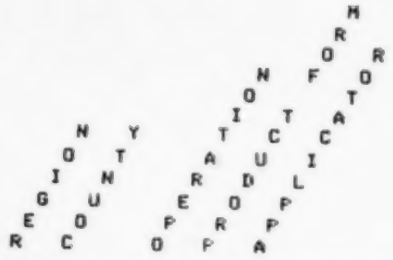
PRODUCT FORM

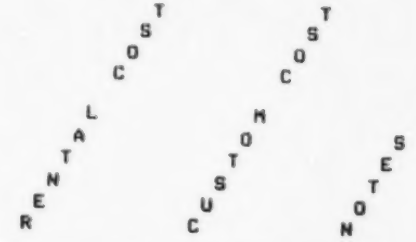
A - ANHYDROUS AMMONIA
G - GRANULAR
L - LIQUID

APPLICATOR

GA - GRANULAR APPLICATOR
PT - PULL-TYPE
TM - TRUCK MOUNT
FL - FLOATER
AS - AIR SEEDER
SD - SEED DRILL
FW - FIXED WING AIRCRAFT
H - HELICOPTER

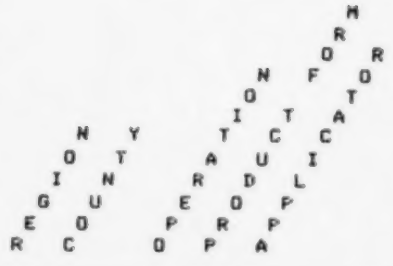
FERTILIZER APPLICATION - 1985

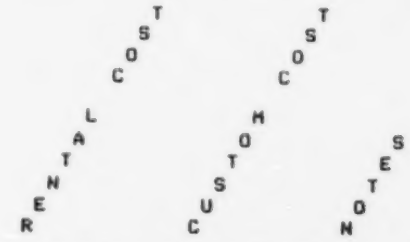


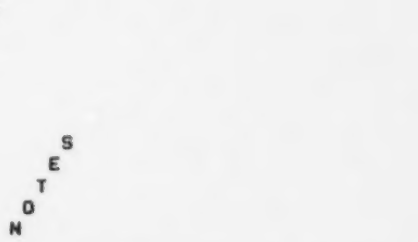


RE	COUNT	OP	PF	APPLICATOR	RENTAL	CUSTOMCOST	NOTES
1	MD26	FA	A	PT MCGREGGOR	$50/TONNE		70 LBS OF N APPLIED, HAULING EXTRA
1	MD26	FA	G	PT WILLMAR	$207DAY		WITH PRODUCT
1	MD26	FA	L	PT BAND WAGON	$1/AC		DEEP BANDING
1	MD26	FA	L	PT GREEN DROP	$4/AC		WITH CULTIVATOR
1	MD6	FA	G	PT WILLMAR		$2/AC	
1	MD6	FA	A	PT MCGREGGOR		$445/TONNE	PRODUCT, DELIVERY, APPLICATOR
1	2	FA	G	AS PRASCO		$6.50/AC	DEEP BANDING
1	26	FA	G	GA LORAL		$3.25/AC	APPLIES HERBICIDE OR FERTILIZER
1	26	FA	A	PT MCGREGGOR		$460/TONNE	FULL SERVICE SPRING PRICE
1	26	FA	A	PT DOUBLE SHOOTERS		$3/AC	
1	4	FA	G	FL TERRIGATOR		$3/AC	AVADEX AND UREA
1	4	FA	L	FL TERRIGATOR		$3/AC	
1	4	FA	G	PT WILLMAR	$4/TONNE		
1	4	FA	G	PT SMITHBUILT		$3/AC	
1	4	FA	L	PT	$3/AC		DEEP BANDING
1	4	FA	G	FW THRUSH		$3.50/AC	
1	8	FA	L	FW		$4.75/AC	4 GALLONS WATER
2	CAL	FA	G	PT WILLMAR	$1/AC		
2	CAL	FA	G	FL WILLMAR		$4/AC	
2	CAL	FA	A	PT MCGREGGOR		$75/TONNE	PLUS PRODUCT PRICE
2	ID7	FA	G	PT WILLMAR	$.65/AC		
2	ID7	FA	G	AS PRASCO	$4/AC		BANDING FERTILIZER
2	ID7	FA	G	AS LEON	$4/AC		BANDING FERTILIZER
2	ID7	FA	G	FL TERRIGATOR		$3/AC	
2	MD34	FA	L	FL TERRIGATOR		$3.50/AC	STRIP BANDING NITROGEN
2	MD34	FA	G	AS FRIGGSTAD	$4/AC		DEEP BANDING
2	MD34	FA	G	PT WILLMAR	$35/DAY		
2	MD44	FA	G	AS		$3.50/AC	UREA AND AVADEX
2	MD44	FA	G	PT	$4/AC		DOUBLE SHOOTER, ALSO ANHYDROUS
2	MD44	FA	G	FL TERRIGATOR		$3/AC	
2	MD44	FA	L	PT BANDWAGON	$.75/AC		FOR BANDING
2	MD44	FA	G	PT WILLMAR	$1/AC		
2	MD47	FA	G	FW CESSNA		$3.75/AC	UP TO 50 LBS/AC
2	MD48	FA	G	TH VALMAR	$.75/AC		
2	16	FA	G	PT WILLMAR	$1/AC		
2	16	FA	A	PT LIVEWIRE	$80/TONNE		SPRING PRICE, DELIVERED
2	16	FA	G	PT AG. WEST	$5/AC		DOUBLE SHOOTER
2	16	FA	G	PT TYLER	$3.50/AC		BANDING AND CULTIVATOR
2	16	FA	G	AS PRASCO	$1.50/AC		BANDING
2	16	FA	G	PT WILLMAR	$1/AC		$125/DAY MAXIMUM
2	17	FA	G	PT	$4/TONNE		
2	17	FA	A	PT	$22/TONNE		
2	17	FA	A	PT WESTERN		$475/TONNE	SPRING PRICE, FULL SERVICE
2	17	FA	G	AS PRASCO	$2.50/AC		BANDING
2	17	FA	G	AS EASY FLOW		$3.50/AC	

FERTILIZER APPLICATION - 1985 (cont)

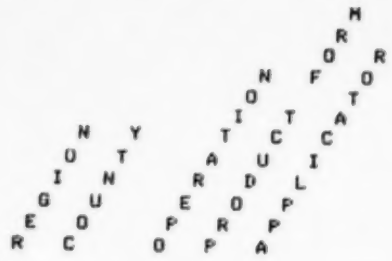






RE	COUNT	OP	PF	APPLICATOR	RENTAL	CUSTOMCOST	NOTES
3	ID10	FA	G	PT WILLMAR	$8/TONNE		WITH PRODUCT
3	ID10	FA	G	TM WILLMAR		$2.75/AC	
3	ID10	FA	A	PT MCGREGGOR		$475/TONNE	FULL SERVICE
3	10	FA	G	FW GRUMMAN		$4/AC	PLUS $.01/LB FERTILIZER
3	14	FA	G	PT WILLMAR	$1/AC		
3	14	FA	L	TM BARBER DRIBBLE		$3/AC	
3	14	FA	A	PT		$480/TONNE	FULL SERVICE
3	14	FA	G	TM		$3/AC	DELIVERY INCLUDED
3	14	FA	A	PT	$22/TONNE		$16/TONNE TANK ONLY
3	14	FA	G	AS EASY RIDER		$3.25/AC	
3	14	FA	G	PT MOBILITY SPIN	$5/TONNE		
3	14	FA	A	PT		$483/TONNE	FULL SERVICE
3	14	FA	A	PT		$429/TONNE	WAGONS ONLY PLUS PRODUCT
3	14	FA	A	DUAL BANDING UNIT		$50/HR	DUAL BANDING ANHYDROUS, + GRANULAR
3	22	FA	G	TM WILLMAR		$2.75/AC	ALSO BARBER DRIBBLER
3	22	FA	G	PT WILLMAR	$40/DAY		
3	22	FA	A	PT		$460/TONNE	FULL SERVICE
3	22	FA	A	PT		$430/TONNE	NO CULTIVATOR
3	23	FA	G	PT WILLMAR	$.75/AC		
3	23	FA	G	AS CONCORD		$7.50/AC	MAN, CULT. BANDING
3	23	FA	G	FL WILLMAR		$3.50/AC	$5/TONNE DELIVERY CHARGE
3	23	FA	A	DOUBLE SHOOTER	$5/AC		ALSO GRANULAR FERTILIZER
3	23	FA	A	PT MCGREGGOR		$80/TONNE	DELIVERY, PRODUCT EXTRA
3	23	FA	G	AS CONCORD		$7.50/AC	CULT, MAN, BANDING
3	29	FA	G	FW AYERS TURBO		$4/AC	100 LBS/AC
3	3	FA	A	PT MCGREGGOR		$465/TONNE	FULL SERVICE
3	3	FA	G	PT WILLMAR	$30/DAY		WITH PRODUCT
3	3	FA	G	TM WILLMAR		$2.50/AC	
4	MD61	FA	G	TM VALMAR		$1.75/AC	
4	MD87	FA	G	FW CESSNA		$5/AC	150 LBS/AC
4	19	FA	G	TM BARBER SPREADER		$2.75/AC	FLOTATION TIRES
4	19	FA	G	TM BARBER SPREADER		$2.75/AC	UREA AND AVADEX
4	19	FA	A	PT		$470/TONNE	FULL SERVICE
4	21	FA	A	PT MORRIS		$54/HR	APPLICATION, MAN, CULTIVATION.
4	24	FA	L	FL		$3/AC	
4	24	FA	G	FW CESSNA AG TRUCK		$4/100LBS.	
4	24	FA	A	PT CO-OP	$16/TONNE		NURSE TANKS ONLY
4	24	FA	A	PT NOBLE	$22/TONNE		APPLICATOR INCLUDED
4	24	FA	G	PT WILLMAR	$50/DAY		MAX $75/DAY
4	24	FA	A	PT MCGREGGOR	$85/TONNE		WITH CULTIVATION
4	24	FA	A	PT DAVID SCOTT	$80/TONNE		NO CULTIVATION
4	24	FA	A	PT	$50/TONNE		WAGONS INCLUDES DELIVERY
4	24	FA	G	PT DOUBLE SHOOTER	$5/AC		BANDING
4	9	FA	G	PT WILLMAR	$9/TONNE		
4	9	FA	A	PT MCGREGGOR		$485/TONNE	FULL SERVICE

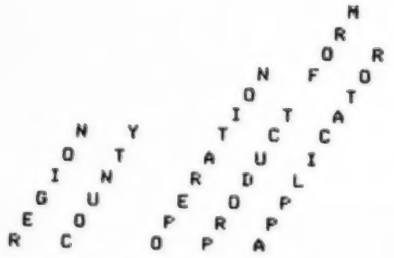
FERTILIZER APPLICATION - 1985 (cont)

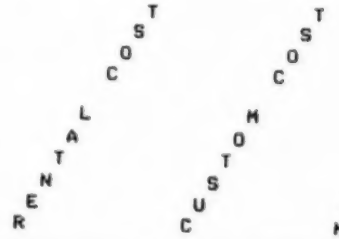


5	EDMON	FA	G	AS JOHN DEERE		$7.50/AC	DUAL BANDING
5	EDMON	FA	G	PT WILLMAR	$5/TONNE		
5	EDMON	FA	A	PT WESTERN AG.		$455/TONNE	FULL SERVICE
5	EDMON	FA	A	AS J. D. NH3 CONVERTER		$455/TONNE	FULL SERVICE DOUBLE SHOOTER
5	MD90	FA	L	FL TERRIGATOR		$2.75/AC	
5	MD90	FA	G	TM WILLMAR		$2.75/AC	AVADEX AND UREA
5	MD90	FA	G	PT WILLMAR	$.60/AC		
5	MD90	FA	G	H SIKORSKI		$80/TONNE	PLUS $.04/LB
5	MD92	FA	A	PT MCGREGGOR		$450/TONNE	FULL SERVICE
5	MD92	FA	G	TM WILLMAR		$2/AC	FLOTATION TIRES
5	MD92	FA	G	PT WILLMAR	$4/TONNE		
5	20	FA	G	PT SIMONSONS	$9/TONNE		
5	20	FA	G	TM WILLMAR		$2.75/AC	
5	20	FA	G	PT WILLMAR	$5/TONNE		WITH PRODUCT
5	20	FA	G	AS JOHN DEERE		$8.50/AC	BANDING PHOSPHATE/AMMONIA
5	20	FA	A	PT MCGREGGOR		$455/TONNE	FULL SERVICE
5	20	FA	G	PT WILLMAR	$1/AC		
5	20	FA	G	PT VALMAR	$2.50/AC		PHOSPHATE OR TREFLAN, AVADEX
5	20	FA	A	PT AG. WEST		$455/TONNE	FULL SERVICE, SPRING PRICE
5	20	FA	A	AS PRASCO		$7.50/AC	DOUBLE SHOOTER GRANULAR, ANHYDROUS
5	25	FA	G	PT WILLMAR	$45/DAY		4 TONNE CAPACITY
5	25	FA	G	PT TYLER	$1.75/AC		BANDING UNIT
5	25	FA	A	PT MCGREGGOR		$470/TONNE	FULL SERVICE
5	25	FA	G	PT VALMAR	$1/AC		
5	25	FA	G	PT WILLMAR	$1/AC		
5	25	FA	A	PT	$75/TONNE		APPLICATION, DELIVERY

RE	COUNT	OP	PF	APPLICATOR	RENTAL	CUSTOMCOST	NOTES
6	ID16	FA	G	PT TYLER	$40/DAY		
6	ID16	FA	A	PT		$90/TONNE	APPLICATION, PRODUCT EXTRA
6	ID17	FA	G	TM WILLMAR		$3.25/AC	
6	ID17	FA	A	PT MCGREGGOR		$510/TONNE	FULL SERVICE
6	ID17	FA	A	PT MCGREGGOR		$490/TONNE	NO CULTIVATOR
6	ID17	FA	A	PT MCGREGGOR		$470/TONNE	NURSE TANKS ONLY
6	ID19	FA	G	FW CESSNA AG CAT		$.037/LB	TO $.04/LB
6	ID21	FA	G	PT WILLMAR	$50/DAY		
6	ID21	FA	A	PT		$485/TONNE	FULL SERVICE
6	MD130	FA	G	FL EASY RIDER		$3.25/AC	
6	MD130	FA	A	PT MCGREGGOR		$485/TONNE	FULL SERVICE
6	MD133	FA	G	PT WILLMAR	$75/DAY		$125/DAY MAXIMUM
6	MD136	FA	G	PT WILLMAR	$20/DAY		$40/DAY MAXIMUM
6	MD136	FA	G	FW CESSNA AG WAGON		$3/AC	PLUS .01/LB
6	1	FA	G	FL BIG A		$3.50/AC	
6	1	FA	G	AS FRIGGSTAD	$3.50/AC		
6	1	FA	A	PT MCGREGGOR		$525/TONNE	FULL SERVICE
6	1	FA	A	PT MCGREGGOR		$492/TONNE	NO CULTIVATOR
6	1	FA	G	TM WILLMAR		$3/AC	

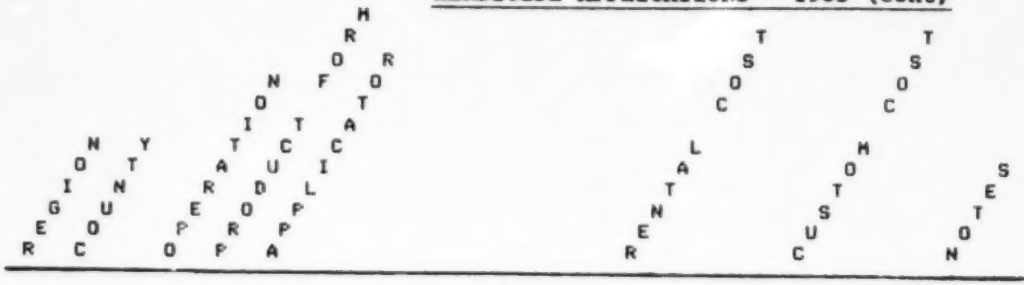
HERBICIDE APPLICATIONS - 1985





1	MD14	HA	L	FW	AG. CAT	$3/AC	1 GALLON WATER
1	MD14	HA	L	FW	PIPER BRAVE	$3.40/AC	2 GALLONS WATER
1	MD14	HA	L	FW	PIPER BRAVE	$3.80/AC	3 GALLONS WATER
1	MD6	HA	L	FL	SPRA-COUPE	$2/AC	
1	2	HA	L	TM	SPRAYER	$2/AC	
1	26	HA	G	GA	LORAL AIRFLOW	$3.25/AC	AVADEX, TREFLAN
1	26	HA	G	GA	VALMAR	$1/AC	
1	26	HA	G	GA	NODET	$1/AC	
1	26	HA	L	FW		$2.75/AC	1 GALLON OR LESS
1	26	HA	L	FW		$3/AC	1 TO 2 GALLONS WATER
1	26	HA	L	FW		$3.50/AC	OVER 2 GALLONS WATER
1	26	HA	L	FW		$3.75/AC	ESTERS, 5 OZ RATE
1	26	HA	L	FW		$5.50/AC	ESTER AND BANVEL
1	4	HA	L	FW	PIPER	$2.75/AC	1 GALLON WATER
1	4	HA	L	FW	PIPER	$3.50/AC	2 GALLONS WATER
1	4	HA	L	FW	PIPER	$3.25/AC	INSECTICIDE, 1 GALLON WATER
1	4	HA	L	FL	TERRIGATOR	$3.75/AC	$5/AC MAXIMUM
1	4	HA	L	FW	THRUSH COMMANDER	$2.85/AC	1 GALLON WATER
1	4	HA	L	FW	THRUSH COMMANDER	$3.20/AC	2 GALLONS WATER
1	4	HA	L	FW	THRUSH COMMANDER	$3.70/AC	3 GALLONS WATER
1	4	HA	L	FW	THRUSH COMMANDER	$4.10/AC	4 GALLONS WATER
1	4	HA	L	FW	THRUSH COMMANDER	$4.50/AC	5 GALLONS WATER
1	4	HA	L	FW	THRUSH COMMANDER	$5.75/AC	10 GALLONS WATER
1	4	HA	L	FW	THRUSH COMMANDER	$7.00/AC	15 GALLONS WATER
1	8	HA	L	FW		$3.25/AC	1 GALLON WATER
1	8	HA	L	FW		$3.75/AC	2 GALLONS WATER
1	8	HA	L	FW		$4.25/AC	3 GALLONS WATER
1	8	HA	L	FW		$5.25/AC	5 GALLONS WATER

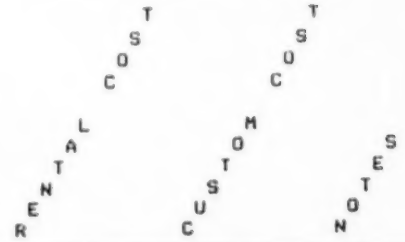
HERBICIDE APPLICATIONS - 1985 (cont)



2	CALG.	HA	G	PT VALMAR	$1/AC		AVADEX
2	ID7	HA	G	PT VALMAR	$1/AC		TREFLAN AVADEX
2	MD 34	HA	L	FL TERRIGATOR		$3.50/AC	10 GALLON RATE
2	MD31	HA	L	FW G. AG CAT		$2.75/AC	1 GALLON WATER
2	MD31	HA	L	FW G. AG CAT		$3/AC	2 GALLONS WATER
2	MD31	HA	L	FW G. AG CAT		$3.25/AC	3 GALLONS WATER
2	MD31	HA	G	FW G. AG CAT		$2.75/AC	OVER 80 ACRES
2	MD31	HA	G	FW G. AG CAT		$3/AC	UNDER 80 ACRES
2	MD31	HA	G	FW G. AG CAT		$3/AC	TREFLAN AVADEX
2	MD31	HA	L	FW G. AG CAT		$3/AC	1 GALLON WATER
2	MD31	HA	L	FW G. AG CAT		$3.50/AC	2 GALLONS WATER
2	MD31	HA	L	FW G. AG CAT		$4/AC	3 GALLONS WATER
2	MD34	HA	G	PT VALMAR	$1.25/AC		AVADEX, TREFLAN
2	MD44	HA	G	AS		$3.50/AC	UREA AND AVADEX
2	MD44	HA	G	AS FLETCHER FIELD MASTER		$2.50/AC	TREFLAN AND AVADEX
2	MD44	HA	G	TM VALMAR		$1.75/AC	TREFLAN AVADEX
2	MD44	HA	G	GA NODET	$.80/AC		TREFLAN AVADEX
2	MD47	HA	L	CESSNA, PIPER		$3/AC	1/2 GALLON WATER
2	MD47	HA	L	FW G. AG CAT		$3.25/AC	1 GALLON WATER
2	MD47	HA	L	CESSNA, PIPER		$3.75/AC	2 GALLONS WATER
2	MD48	HA	G	TM VALMAR		$1.75/AC	COST PLUS AVADEX TREFLAN
2	16	HA	L	FW THRUSH		$2.60/AC	1 GALLON WATER
2	16	HA	L	FW THRUSH		$3.50/AC	2 GALLONS WATER
2	16	HA	G	FW THRUSH		$3.50/AC	TREFLAN AVADEX
2	16	HA	L	FW THRUSH		$4.50/AC	DEFOLIANT 3-4 GALLONS WATER
2	16	HA	G	PT VALMAR	$1/AC		AVADEX TREFLAN
2	16	HA	G	PT VALMAR	$1/AC		$125/DAY MAXIMUM
2	17	HA	G	AS EASY RIDER		$3.50/AC	

RE	COUNT	OP	PF	APPLICATOR	RENTAL	CUSTOMCOST	NOTES
3	10	HA	L	FW G. AG CAT		$3.50/AC	1 GALLON WATER
3	10	HA	L	FW G. AG CAT		$5/AC	5 GALLONS WATER
3	10	HA	G	FW G. AG CAT		$4/AC	AVADEX
3	14	HA	G	TM BARBER DRIBBLE		$3/AC	UREA + AVADEX/TREFLAN
3	14	HA	G	GA VALMAR	$.80/AC		WITH FOAM MARKERS
3	14	HA	G	GA NODET	$.75/AC		WITHOUT FOAM MARKERS
3	14	HA	G	TM VALMAR		$2.20/AC	AVADEX TREFLAN
3	14	HA	G	DUAL BANDING UNIT		$2/AC	DUAL BANDING ANHYDROUS + GRANULAR
3	22	HA	G	TM BARBER DRIBBLE		$2.75/AC	AVADEX TREFLAN
3	23	HA	G	AS CONCORD	$3.50/AC		WITH CULTIVATOR
3	23	HA	G	PT VALMAR	$1/AC		
3	23	HA	G	TM VALMAR		$2.75/AC	AVADEX TREFLAN
3	29	HA	L	FW THRUSH		$3.10/AC	1 GALLON WATER
3	29	HA	L	FW THRUSH		$3.60/AC	2 GALLONS WATER
3	3	HA	L	FL BARBER		$2.50/AC	APPLICATION CHARGE

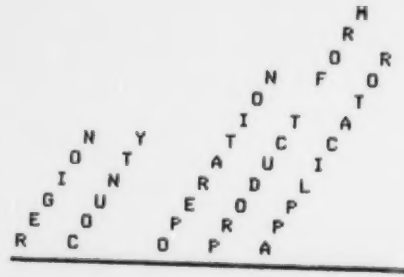
HERBICIDE APPLICATIONS - 1985 (cont)

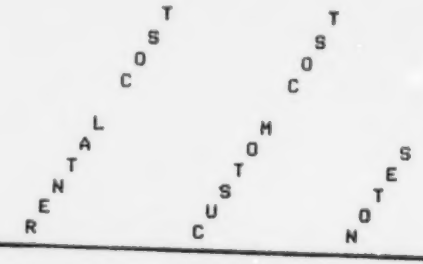


RE	COUNT	OP	PF	APPLICATOR	RENTAL	CUSTOMCOST	NOTES
4	MD52	HA	L	FW CESSNA AG TRUCK		$3.05/AC	1 GALLON WATER
4	MD52	HA	L	FW CESSNA AG TRUCK		$3.55/AC	2 GALLONS WATER
4	MD52	HA	L	FW CESSNA AG WAGON		$3.65/AC	3 GALLONS WATER
4	MD61	HA	G	GA VALMAR	$.75/AC		TREFLAN AVADEX
4	MD87	HA	L	FW CESSNA AG TRUCK		$3.50/AC	1 GALLON WATER 80 ACRES MINIMUM.
4	MD87	HA	L	FW CESSNA AG TRUCK		$3.75/AC	2 GALLONS WATER, 80 ACRES MINIMUM.
4	MD87	HA	L	FW CESSNA AG TRUCK		$4/AC	3 GALLONS WATER, 80 ACRES MINIMUM.
4	19	HA	G	TH BARBER SPREADER		$2.75/AC	UREA + AVADEX/TREFLAN
4	21	HA	L	PT VERSATILE		$1.25/AC	APPLICATION CHARGE
4	24	HA	L	FL		$3/AC	
4	24	HA	G	FW CESSNA AG TRUCK		$3.25/AC	AVADEX TREFLAN
4	24	HA	L	FW CESSNA AG TRUCK		$4.85/AC	FUNGICIDE 5 GALLON/AC RATE
4	24	HA	L	FW GRUMMAN AG. CAT		$3.25/AC	1 GALLON WATER
4	24	HA	L	FW GRUMMAN AG. CAT		$3.75/AC	2 GALLONS WATER
4	24	HA	L	FW CESSNA AG TRUCK		$4.25/AC	3 GALLONS WATER
4	24	HA	L	FW CESSNA AG TRUCK		$4.55/AC	4 GALLONS WATER
4	24	HA	G	GA VALMAR	$50/DAY		$75/DAY MAXIMUM WITH PRODUCT
4	27	HA	L	H BELL 47		$3/AC	4 LITERS/AC RATE
4	27	HA	L	H BELL 47		$3.50/AC	8 LITERS/AC RATE
4	27	HA	G	H BELL 47		$4.50/AC	TREFLAN AVADEX
4	9	HA	G	GA NODET	$1/AC		AVADEX TREFLAN

RE	COUNT	OP	PF	APPLICATOR	RENTAL	CUSTOMCOST	NOTES
5	EDM.	HA	G	AS JOHN DEERE		$8.50/AC	DUAL BANDING + HERBICIDE
5	EDM.	HA	G	GA VALMAR	$.60/AC		TREFLAN AVADEX
5	MD90	HA	L	FL TERRIGATOR		$2.75/AC	
5	MD90	HA	G	TH WILLMAR		$2.75/AC	UREA + AVADEX/TREFLAN
5	MD90	HA	L	FL TERRIGATOR		$3.10/AC	
5	MD90	HA	G	GA NODET	$5.50/TONN		TREFLAN AVADEX
5	MD90	HA	L	FW THRUSH COMMANDER		$3.25/AC	1 GALLON WATER
5	MD90	HA	L	FW THRUSH COMMANDER		$3.75/AC	2 GALLONS WATER
5	MD90	HA	L	H SIKORSKI S55		$4.25/AC	3 GALLONS WATER
5	MD92	HA	G	GA NODET	$.50/AC		$70/DAY MAXIMUM
5	MD92	HA	G	TH WILLMAR SPREADER		$2/AC	UREA + AVADEX/TREFLAN
5	20	HA	G	GA NODET	$1/AC		
5	20	HA	G	GA VALMAR		$2.50/AC	TREFLAN AVADEX
5	20	HA	G	GA VALMAR	$1/AC		AVADEX TREFLAN
5	20	HA	G	AS JOHN DEERE		$8.50/AC	DEEP BANDING; FERT AND HERB; + CULT
5	20	HA	G	GA VALMAR	$2.50/AC		PHOSPHATE + AVADEX/TREFLAN
5	20	HA	L	PT FLEXI-COIL		$2.75/AC	
5	20	HA	G	AS PRASCO		$7.50/AC	DUAL BANDING WITH ANHYDROUS
5	25	HA	G	GA VALMAR	$1/AC		TREFLAN AVADEX

HERBICIDE APPLICATIONS - 1985 (cont)





RE	COUNT	OP	PF	APPLICATOR	RENTAL	CUSTOMCOST	NOTES
6	ID17	HA	G	GA VALMAR	$35/DAY		WITH PRODUCT PURCHASE
6	ID19	HA	L	FW CESSNA AG CAT		$3.50/AC	1 GALLON WATER UNDER 500 ACRES
6	ID19	HA	L	FW THRUSH		$3.25/AC	1 GALLON OVER 500 ACRES
6	ID19	HA	L	FW THRUSH		$4.25/AC	2-3 GALLONS WATER UNDER 500 ACRES
6	ID19	HA	L	CESSNA, G. AG CAT		$4/AC	2-3 GALLONS WATER OVER 500 ACRES
6	ID22	HA	G	FW CESSNA AG WAGON		$3.50/AC	AVADEX
6	ID22	HA	G	FW CESSNA AG WAGON		$4.50/AC	TREFLAN
6	ID22	HA	L	FW CESSNA AG WAGON		$4/AC	2 GALLONS WATER
6	MD130	HA	G	GA VALMAR	$.75/AC		
6	MD130	HA	G	FL EASY RIDER		$3.25/AC	UREA + AVADEX
6	MD133	HA	G	GA VALMAR	$75/DAY		$125/DAY MAXIMUM
6	MD136	HA	G	GA VALMAR	$1/AC		OR $100/DAY
6	MD136	HA	L	FW CESSNA AG WAGON		$3.20/AC	1 GALLON WATER
6	MD136	HA	L	FW CESSNA AG WAGON		$3.70/AC	2 GALLONS WATER
6	1	HA	G	FL BIG A		$3.50/AC	
6	1	HA	G	GA NODET	$1/AC		TREFLAN AVADEX
6	1	HA	L	FL BIG A LIQUID		$3/AC	
6	ID22	HA	L	FW CESSNA AG WAGON		$3/AC	1 GALLON WATER

LEGEND

OPERATIONS

CS - CROP SEEDING
FA - FERTILIZER APPLICATION
HA - HERBICIDE APPLICATION

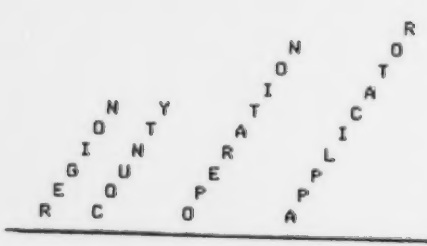
PRODUCT FORM

A - ANHYDROUS AMMONIA
G - GRANULAR
L - LIQUID

APPLICATOR

GA - GRANULAR APPLICATOR
PT - PULL-TYPE
TM - TRUCK MOUNT
FL - FLOATER
AS - AIR SEEDER
SD - SEED DRILL
FW - FIXED WING AIRCRAFT
H - HELICOPTER

CROP SEEDING - 1985



REGION	PILOT	APPLICATOR		COST	COST
1	MD14	CS	FW CESSNA, AG CAT		
1	MD14	CS	FW PIPER BRAVE		$4.50/AC ALL CROPS UNDER 200 ACRES
1	MD26	CS	SD		$5/AC ALL CROPS OVER 200 ACRES
1	2	CS	AS PRASCO		$5.50/AC CEREALS, OILSEEDS
1	4	CS	FW THRUSH		$6.50/AC ALL CROPS
1	4	CS	FW THRUSH		$4.75/AC ALL CROPS OVER 25 ACRES
1	8	CS	FW		$5/AC ALL CROPS UNDER 25 ACRES
					$3.50/AC ALFALFA
2	MD31	CS	FW GRUMMAN AG CAT		
2	MD44	CS	AS FLETCHER FIELD MASTER		$3/AC CANOLA, GRASS
2	MD47	CS	FW CESSNA PIPER		$3.50/AC
					$3.75/AC ALL CROPS UP TO 50 LBS/AC
3	10	CS	FW GRUMMAN AG CAT		
3	14	CS	TM VALMAR		$4.50/AC CEREALS
3	14	CS	SD		$2.20/AC CANOLA, SMALL SEED
3	22	CS	TM BARBER DRIBBLER		$6.50/AC ALL CROPS
3	23	CS	AS CONCORD	$2.50/AC	$2.50/AC CANOLA, SMALL SEED
3	29	CS	FW THRUSH		ALL CROPS
3	29	CS	FW THRUSH		$4/AC CEREALS
					$3.50/AC OILSEEDS, GRASS
4	MD87	CS	FW CESSNA AG TRUCK		
4	21	CS	SD JOHN DEERE 8530		$3.50/AC OILSEEDS
4	24	CS	FW CESSNA AG TRUCK		$50/HR ALL CROPS
4	24	CS	FW GRUMMAN AG CAT		$3.25/AC OILSEEDS
4	24	CS	FW CESSNA AG TRUCK		$3.75/AC GRASS SEED
4	27	CS	H BELL 47		$4.25/AC CEREALS
					$3/AC CANOLA
5	MD90	CS	FW THRUSH		
5	MD90	CS	H SIKORSKI S55		$3.50/AC OILSEEDS
5	20	CS	AS PRASCO		$5/AC CEREALS
					$6/AC ALL CROPS
6	ID19	CS	FW CESSNA, AG CAT		
6	ID22	CS	FW CESSNA AG WAGON		$3.25/AC CANOLA, GRASS SEED
6	MD136	CS	FW CESSNA, AG CAT		$3.50/AC CANOLA
					$3/AC PLUS $.01/LB ALL CROPS